

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A direct drive motor in a washing machine, comprising:
a stator having a winding portion with coils wound thereon;
a rotor having a sidewall, and a rear wall with a pass through hole at a center, an annular washer in close contact with, and fixedly secured to, an outside of the rear wall of the rotor;
a connector of resin having a vibration mode different from ~~a washing shaft~~the rotor, fixedly secured to the rear wall of the rotor for supporting ~~the a~~ washing shaft; and
coupling means for coupling the connector, the rotor, and the washer ~~together together~~;
wherein the annular washer is located between the outside of the rear wall of the rotor and the connector.

2. (Previously Presented) The direct drive motor as claimed in claim 1, wherein the rotor is constructed of steel plate by pressing, to form the side wall and the rear wall as one body.

3. (Previously Presented) The direct drive motor as claimed in claim 1, wherein the rotor has fastening pass through holes around the pass through hole,
the washer has fastening pass through holes on a surface thereof in correspondence to the fastening pass through holes in the rear wall of the rotor,
the connector has fastening pass through holes in correspondence to the fastening pass through holes in the rotor, and
the coupling means includes bolts inserted through the fastening pass through holes, and nuts fastened to threads on the bolts, for holding the connector, rotor, and washer.

4. (Previously Presented) The direct drive motor as claimed in claim 1, wherein the annular washer further includes positioning holes in which the positioning projections

on the connector are placed respectively, separate from the fastening pass through holes.

5. (Previously Presented) The direct drive motor as claimed in claim 4, wherein the positioning holes are formed along a circumferential direction of an imaginary circle having a diameter different from an imaginary circle connecting centers of the fastening pass through holes in the annular washer.

6. (Previously Presented) The direct drive motor as claimed in claim 2, wherein the rotor further includes a hub projected from the rear wall toward the washing shaft for reinforcing strength, and providing a seating surface.

7. (Previously Presented) The direct drive motor as claimed in claim 6, wherein the annular washer includes a bent portion on a circumference having a shape in conformity with a shape of a bent portion of the hub.

8. (Previously Presented) The direct drive motor as claimed in claim 6, wherein the annular washer is in close contact with, and fixedly secured to an outer side of the rear wall of the rotor, and the connector is mounted on an inner side of the rear wall of the rotor.

9. (Currently Amended) A direct drive motor in a washing machine comprising:
a stator having a winding portion with coils wound thereon;
a rotor having a sidewall, and a rear wall with a pass through hole at a center, and fastening pass through holes around the pass through hole;

an annular washer in close contact with, and fixedly secured to, an outside of the rear wall of the rotor, the annular washer having fastening bosses projected from a surface thereof ~~toward a washing shaft~~ in correspondence to fastening pass through holes in the rear wall of the rotor, each of the fastening bosses having a fastening hole with a thread on an inside circumference; and

a connector of resin having a vibration mode different from ~~the washing shaft~~ the rotor, fixedly secured to the rear wall of the rotor with bolts passed through the fastening

pass through holes in the rotor, and fastened to the fastening bosses on the annular washer-washer.

wherein the annular washer is located between the outside of the rear wall of the rotor and the connector.

10. (Previously Presented) The direct drive motor as claimed in claim 9, wherein the rotor is constructed of steel plate by pressing, to form the side wall and the rear wall as one body.

11. (Previously Presented) The direct drive motor as claimed in claim 10, wherein the fastening bosses on the annular washer are in at least two lines in a circumferential direction as imaginary circles connecting centers of the fastening bosses have diameters different from each other.

12. (Previously Presented) The direct drive motor as claimed in claim 10, wherein the annular washer further includes positioning holes in which the positioning projections on the connector are placed respectively, separate from the fastening bosses.

13. (Previously Presented) The direct drive motor as claimed in claim 12, wherein the positioning holes are formed along a circumferential direction of an imaginary circle having a diameter different from an imaginary circle connecting centers of the fastening pass bosses on the annular washer.

14. (Currently Amended) The direct drive motor as claimed in claim 10, wherein the rotor further includes a hub projected from the rear wall toward the a_washing shaft for reinforcing strength, and providing a seating surface.

15. (Previously Presented) The direct drive motor as claimed in claim 14, wherein the annular washer includes a bent portion on a circumference having a shape in conformity with a shape of a bent portion of the hub.

16. (Previously Presented) The direct drive motor as claimed in claim 14, wherein the annular washer is in close contact with, and fixedly secured to an outer side of the rear wall of the rotor, and the connector is mounted on an inner side of the rear wall of the rotor.

17. (Currently Amended) A direct drive motor in a washing machine comprising:
a stator having a winding portion with coils wound thereon;
a rotor having a sidewall, and a rear wall with a pass through hole at a center, and fastening pass through holes around the pass through hole;
a connector of resin having a vibration mode different from the ~~washing shaft~~ rotor, fixedly secured to ~~an inner side of the~~ rear wall of the rotor for supporting the a washing shaft, the connector having fastening pass through holes in correspondence to the fastening pass through holes around the pass through hole;
an annular washer in close contact with ~~an outer side of~~, and fixedly secured to, an outer side of the rear wall of the rotor, the annular washer having fastening pass through holes in a surface thereof in correspondence to the fastening pass through holes in the rear wall of the rotor, and positioning holes in which the positioning projections on the connector are inserted; and
coupling means for coupling the connector, the rotor, and the ~~washer~~ washer,
wherein the annular washer is located between the outside of the rear wall of the rotor and the connector.

18. (Previously Presented) The direct drive motor as claimed in claim 17, wherein the rotor further includes a hub projected from the rear wall toward the washing shaft for reinforcing strength, and providing a seating surface.

19. (Previously Presented) The direct drive motor as claimed in claim 18, wherein the positioning holes are formed along a circumferential direction of an imaginary circle having a diameter different from an imaginary circle connecting centers of the fastening pass through holes in the annular washer.

20. (Previously Presented) The direct drive motor as claimed in claim 19, wherein the annular washer includes a bent portion on a circumference having a shape in conformity with a shape of a bent portion of the hub.